ATTACHMENT J.4.82

PERFORMANCE GRADING

ED-12-4015

CONTROL NUMBER: [illegible]
SITE PROCEDURE ED-12-4015
REVISION NO. 2

PERFORMANCE GRADING

ED-12-4015

Effective Date: October 31, 1997

Originator (Subject Expert): F T Jebens — 10/29/97
F. T. Jebens — Date

Checker Concurrence: W. E. Kortier — 10/29/97
W. E. Kortier — Date

APPROVED BY: Allan C Noble — 10/29/97
A. C. Noble, FAM — Date
Engineering Design

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT

Fluor Daniel Fernald
P. O. Box 538704
Cincinnati, Ohio 45253-8704

TABLE OF CONTENTS

LIST OF ATTACHMENTS

RECORD OF ISSUE/REVISIONS

DATE	REV. NO.	DESCRIPTION AND AUTHORITY
07/28/95	0	New procedure required by the Engineering division to describe how Activities and Structures, Systems, and Components are graded. Initiated by W. Kortier.
08/30/96	1	Revised procedure to include definition enhancements and minor editorial revisions. Initiated by F. Jebens.
10/31/97	2	Revised procedure to align with re-engineered Fluor Daniel Fernald, (FDF) organization and incorporate Lessons Learned. Initiated by G. C. Olbur.

1.0 PURPOSE

This procedure establishes the guidelines and provides criteria for performance grading of structures, systems, and components (SSC). This grading ensures that the level of detail required for analysis, documentation, and application of engineering principles that comply with requirements is commensurate with relative importance to safety (Hazard Category), complexity of the activity, facility life cycle, or importance to the FEMP mission.

2.0 SCOPE

This procedure is applicable to projects and activities performed or managed by FDF in which decisions are necessary for analysis, documentation, and application of requirements and resources. The grading criteria and procedure described herein shall be used by FDF project organizations accomplishing activities which are identified under Functional Areas (FA) such as Configuration Management, Engineering Design, and Quality Assurance. As a result, a Performance Grade (PG) will be assigned to each SSC based on the steps outlined in this procedure.

3.0 REFERENCES

1. PL-3035, "Configuration Management"
2. CM-0001, "Configuration Management"
3. MS-1021, "Project Management"
4. ED-12-3001, "Engineering Design Initiation"
5. ED-12-5001, "Project Document Control" (ECDC)
6. NS-0003, "Safety Assessment Hazard Screening and Classification"
7. DOE-STD-1027-92, "Hazard Categorization, Accident Analysis Techniques for Compliance to DOE 5480.23, "Nuclear Safety Analysis Report""

4.0 RESPONSIBILITIES

Construction FAM - Responsible to support the TRB by providing technical and administrative input and support as required. Appoints a senior Construction Manager to the Board. Assures implementation of the CM process within the Construction Functional Area.

Discipline Engineer - Responsible for preparation of proposed grading for SSCs and compliance with change control of designated items.

4.0 RESPONSIBILITIES

Engineering Design FAM - Has overall responsibility for the implementation of CM at the FEMP. Establishes the CM process by assuring compliance with this procedure by personnel performing in the CM and ED Functional Areas. Sponsors the Technical Review Board (TRB).

Engineering Design TRB Representative (EDTRB) - Participates on the TRB, documenting, maintaining and distributing TRB decisions, and screening design/engineering documents and changes for impact assessment and TRB consideration.

Operations FAM - Responsible to support the Technical Review Board by providing technical and administrative input and support as required. Appoints a senior Operations Manager to the Board. Assures implementation of the CM process within the Operations Functional Area.

Project Engineer - Responsible for coordination of proposed grading for SSCs and presentation of designated items to TRB.

Project Manager (PM)/Project Engineer (PE) - Responsible for implementing this procedure for all new FEMP Projects and for changes to existing and ongoing FEMP Projects.

Quality Assurance FAM - Responsible to support the Technical Review Board by providing technical and administrative input and support as required. Appoints a senior Manager to the Board. Assures implementation of the CM process within FDF.

Safety and Health FAM - Supports the Technical Review Board by providing technical and administrative input and support as required. Appoints a senior S&H Manager to the Board. Assures implementation of the CM process within the S&H Functional Area.

5.0 GENERAL

5.1 The PG identified and approved for each SSC will become the basis for implementation and application of a graded approach (grading establishes the degree of programmatic application to the graded SSC).

Note: 1) Activities with SSC in PGS 1, 2, or 3 will be controlled under CM during Definitive (Title II) Design, Construction (Title III), Startup, Project Closeout, Operation, and future D&D.

Note: 2) The Performance Grade assigned will serve as a guide to selection of quality assurance levels but may not equate to the quality assurance level.

3) SSCs in PGs 1, 2, or 3 will require independent design review during Definitive (Title II) Design.

5.0 GENERAL

Note: 4) Design changes which affect PGs 1, 2, or 3 after concurrence by the TRB will be reviewed by the TRB.

The process by which facilities and activities are performance graded is shown in Attachment F: "Flow Chart - Performance Grading".

5.2 For Mission Important Criteria, refer to Attachment C.

NOTE: The forms contained within this document are available electronically in the Windows version of Wordperfect 6.1 on the FEMP LAN under the Standard Forms, (SF), icon button. The actual location is inside of the ED folder.

6.0 **PREREQUISITES**

The implementation of this procedure is dependent on the performance of a Design Preliminary Hazards Review and Preliminary Hazards Analysis (PHA) and resulting determination of a Facility Hazard Category (HC). This determination is the responsibility of the Nuclear and System Safety Functional Area.

7.0 **PROCEDURE**

7.1 ASSIGNING A PERFORMANCE GRADE (PG)

PROJECT MANAGER (PM)/PROJECT ENGINEER (PE)

1. Identify the Project scope and boundaries using Site Procedures MS-1021, "Project Management" and ED-12-3001, "Engineering Design Initiation".

2. Submit to the Manager, Safety Analysis Department a Request for Safety Assessment (Form FS-F-2706), following completion of the conceptual design (or alternate comparable document). Include all appropriate conceptual design information as requested.

PROJECT ENGINEER

3. After completion of the alignment and Project Execution Plan, prepare the functional requirements.

4. As planning proceeds, identify the specific activities that will be contained in the scope of the Project, and develop a preliminary list of existing SSCs that will be utilized or impacted.

Note: Approximately two weeks is required to complete the Safety Assessment for most projects. Major projects may require a significantly longer time. Identify sufficient time in the project schedule for the assessment to be completed.

7.1 ASSIGNING A PERFORMANCE GRADE (PG) (cont.)

PROJECT ENGINEER

5. Identify the major systems and critical components **utilizing the functional requirements and other conceptual design information, to include equipment listings, P & ID drawings, etc.** Enter these SSCs on a copy of the Performance Grade (PG) Evaluation Form (ref: Attachment A, Performance Grade Evaluations).

6. Further develop the list of SSCs, **that are Safety Significant, Working with the Safety Evaluator, if required.** This effort will result in the preliminary hazard assessment (PHA) or other equivalent document.

Note: Safety assessment, PHA documentation, and/or other Safety analyses will be further developed to report the Hazard Category (HC) for the Project or safety significant SSC.

7. Forward the safety documentation to **Project Document Control (ECDC) and from ECDC to the PE,** upon receipt of the completed or interim safety documentation from the Safety Analysis Department.

8. Update the listed SSCs on the Performance Grade (PG) Evaluation Form after developing the Process Flow Diagram (PFD) and reviewing preliminary hazard assessment (PHA) of the functional requirements. The systems and major components will assist in the hazard evaluation.

9. Continuing to work with the Safety Analysis Department, Hazard Category, (HC), Hazard Class, and/or Safety Significant SSCs will be developed. Generally, a Safety Significant SSC will be PG-3 or higher.

10. Utilizing the HC for the Facility/**Project** (as identified in the SA which results from the PHA) and the list of Activities and SSCs generated previously, verify considerations for Safety, Mission Impact, and Life Cycle, and assign to each a PG (ref: Attachment B, Performance Grade (PG) Definition Matrix). The PG determination will be entered in the right hand column of the form.

Note: Analysis of failure/compromise of a SSC includes both preventative and mitigative functions.

Note: Enter the PG onto the PG column of Attachment A on which were previously listed the structures, systems and components for the project.

11. Review for mission-importance, **if required,** identify any criteria for each SSC that should be considered in upgrading the SSC, for SSC that are assigned lower than PG-3.

7.1 ASSIGNING A PERFORMANCE GRADE (PG) (cont.)

PROJECT ENGINEER

Note: Mission-important components will be identified per criteria listed in Attachment C and will be presented to the TRB.

12. Sign and date the completed copy of Attachment A, Performance Grade Evaluation Form.

13. Submit a TRB Evaluation Request (ref: Attachment E, Interoffice Memo to the TRB Chairperson requesting TRB review) formally requesting a TRB evaluation of the Preliminary Design package, consistent with the Preliminary Design 30% review completion. In any event the TRB must review SSCs before the Design is Certified for Construction (CFC).

14. Prepare the design basis information that includes the Performance Grade Evaluation and other relevant documentation.

Note: The design basis information may include documents such as the safety assessment, preliminary hazard assessment or preliminary safety analysis report, technical safety requirements, functional requirements, design criteria, a process flow diagram, and other relevant documents to the project. See Attachment D for further suggestions.

ENGINEERING DESIGN

15. Evaluate the complexity of the project. Either route the request via "Blue Sheet" to the TRB members or schedule an initial TRB meeting and notify all TRB members and the PM/PE, Upon receipt of a TRB Evaluation Request, (if required).

PROJECT ENGINEER

16. Formally present the design basis package to the Technical Review Board (TRB). An information copy of this package should be given to TRB members at least two days in advance of the scheduled TRB meeting date. As part of the presentation summarize the planned Activities and associated SSC, and discuss the technical bases used to assign SSC PG. Of special interest will be technical justification for decreasing a PG below the HC for the Facility/Project.

7.1 ASSIGNING A PERFORMANCE GRADE (PG) (cont.)

TECHNICAL REVIEW BOARD (TRB)

17. The Technical Review Board (TRB), consists of individual members or representatives approved by the chair from tne following Divisions/Departments:

DIVISION/DEPARTMENT	NUMBER of REPRESENTATIVES
SOILS & WATER PROJECTS,(S&WP)/PROJECT ENGINEERING	1 **(CHAIR PERSON)**
S & WP/ENGINEERING DESIGN/FACILITY/TECHNICAL ENGINEERING	1
FACILITIES CLOSURE & DEMOLITION PROJECTS/CONSTRUCTION	1
OVERSIGHT & PROGRAM INTEGRATION/SAFETY & HEALTH	1
S & WP INTEGRATOR	1
OVERSIGHT & PROGRAM INTEGRATION/QUALITY ASSESSMENT	1

18. Review and evaluate the design package in accordance with this procedure and Site Procedure ED-12-4010 (as required) and validate the appropriateness of assigned PG's especially where a SSC was assigned a PG lower that the Facility HC as assigned by the Safety Analysis Department. Following the initial TRB meeting, management Considerations of mission impact and complexity shall also be evaluated.

Note: The TRB as a Quorum, will perform an independent technical review of the Preliminary Design Package (ref: Site Procedure ED-12-4010) as well as evaluating the Management Considerations of mission impact and complexity, and upon concurrence by the TRB the design package will be considered under Configuration Management, if SSCs carry PG 1, 2, or 3 grading.

Note: Allow TRB members a minimum of 10 days following the initial TRB meeting for review and evaluation of the Preliminary Design package.

TRB CHAIR OR DESIGNATE

19. Consolidate and document the results of the TRB review and evaluation, and route them to the PM/PE.

20. Schedule a second TRB meeting to discuss and resolve comments, if required.

PROJECT ENGINEER

21. Resolve all comments made by the TRB and present resolutions at the second TRB meeting, if required.

7.1 ASSIGNING A PERFORMANCE GRADE (PG) (cont.)

TECHNICAL REVIEW BOARD (TRB)

22. Sign the TRB Evaluation form indicating acceptance of the Preliminary Design package, after comment resolution has been successfully completed.

TRB CHAIR OR DESIGNATE

23. Route the signed TRB Evaluation and all supporting documentation including any TRB minutes to ECDC for processing as Controlled documents.

*Note: **Once approved by the TRB, the PG identified for each SSC will become the basis for implementation of CM and application of a Graded Approach (a graded degree of application of regulatory driven programmatic, management, or administrative systems) by ALL personnel participating in the project. Activities with SSCs in PG 1, 2, or 3 will be controlled under CM during Definitive (Title II) Design, Construction (Title III), Startup, Project Closeout, Operation, and future D&D. The specific means for implementing CM and applying a graded approach within a project will be specified in CM implementing procedures developed by them.***

*Note: **The TRB will concur with the Performance Grades of SSCs by the actions of paragraph # 20. of this procedure.***

ENGINEERING DESIGN

24. Route the signed TRB Evaluation and all supporting documentation including any TRB minutes to ECDC for processing.

PROJECT ENGINEER

25. Verify the considerations for Safety, Mission Impact, and Life Cycle. If a PG change is required, formally present the basis for change to the TRB. Go to Step 11.

8.0 RECORDS

The following records will be generated as part of this procedure:

8.1 Performance Grade Evaluation form of SSCs will be a generated record.

8.2 All other TRB correspondence directing action will be processed per ED-12-5001, "Project Document Control".

9.0 DRIVERS

9.1 RM-0012, "Quality Assurance Program"

9.2 RM-0016, "Management Plan"

10.0 DEFINITIONS

Discipline Engineer - That person trained, experienced, and functioning as the Subject Expert (SE) on a specific area of engineering expertise (e.g., Civil, Chemical, Electrical, Mechanical, or Structural). The lead discipline engineer is authorized to sign drawings and specifications for that discipline.

Facilities - A general term to describe nuclear and non-nuclear structures, systems, and components at the FEMP.

Graded Approach - A process by which the level of detail required for analysis, documentation, and application of resources necessary to comply with regulatory requirements is made commensurate with the:

1. Relative importance to safety, safeguards, and security, and the magnitude of any hazards involved;

2. The complexity of the Facility and/or Activities being relied on to maintain an acceptable level or risk;

3. Life cycle considerations of the facility or associated Structures, Systems, or Components (SSC);

4. The importance of the SSC to the FEMP mission which includes consideration of stakeholder concerns, project cost, and schedule impact.

Hazard Category (HC) - Classification of a nuclear facility in terms of the consequences of the unmitigated release of radioactive materials or energy or the classification of a non-nuclear facility in terms of the consequence of the unmitigated release of hazardous materials.

Note: Hazard categories for nuclear activities include HC-1 through HC-3. Hazard classes for non-nuclear activities include high hazard (HH), medium hazard (MH), and low hazard (LH). Refer to reference 3.6.

Performance Grade (PG) - the classification of an activity or function of a structure, system, or component associated with a nuclear or non-nuclear facility in terms of:

1. Safety considerations involving the consequences of its failure to prevent or mitigate the release of radioactive materials or energy, or hazardous materials.

2. Mission importance considerations involving the consequences of its failure impacting schedule delay, stakeholder reaction, or project cost.

3. Life-Cycle Considerations involving the design life or intended use/consequence of the SSC or Project.

4. Complexity considerations involving the degree of regulatory, design, construction, process, and/or management coordination required.

10.0 **DEFINITIONS** (cont.)

Project - A project is a unique major effort within a program which has firmly scheduled beginning, intermediate, and ending date milestones; prescribed performance requirements; prescribed costs; and close management, planning, and control. A project is a basic building block which could include D&D in relation to a program which is individually planned, approved, and managed. A project is not constrained to any specific element of the budget structure (e.g., operating expense, plant projects, and/or capital equipment). Construction, if required, and closeout are part of the total project.

Project Engineer (PE) - An engineer responsible for document preparation, coordination, and/or performance of engineering functions for a project. A signature by the Project Engineer indicates that the issues involved with USQ, CM, CP, and interdisciplinary reviews have been resolved.

Quorum - All designated voting members or substitutes, as approved by the TRB Chairperson, shall be present in order to constitute a working group. The membership participation can be set utilizing any Chairperson approved communication method.

Structures, Systems and Components (SSC) - Structures are elements that provide support or enclosure such as buildings, free standing tanks, basins, dikes, and stacks. Systems are collections of components assembled to perform a function such as piping, cable trays, conduit, or HVAC. Components are items of equipment such as pumps, valves, relays, or elements or a larger array such as computer software, lengths of pipe, elbows, or reducers.

ATTACHMENT A
PERFORMANCE GRADE (PG) EVALUATION

Date Prepared:_____ Div.:_____ Control Account No.:_____
Facility/Project:_____ HC Assigned:_____
Project Number:_____

#	SSC	Purpose/Function	PG
1			1 2 3 4 5
2			1 2 3 4 5
3			1 2 3 4 5
4			1 2 3 4 5
5			1 2 3 4 5
6			1 2 3 4 5
7			1 2 3 4 5
8			1 2 3 4 5
9			1 2 3 4 5
10			1 2 3 4 5
11			1 2 3 4 5
12			1 2 3 4 5
13			1 2 3 4 5
14			1 2 3 4 5
15			1 2 3 4 5
16			1 2 3 4 5
17			1 2 3 4 5
18			1 2 3 4 5
19.			1 2 3 4 5
20.			1 2 3 4 5
21.			1 2 3 4 5
22.			1 2 3 4 5
23.			1 2 3 4 5
24.			1 2 3 4 5
25.			1 2 3 4 5
26.			1 2 3 4 5
27.			1 2 3 4 5

Prepared by:_____ Date:_____

Reviewed by:_____ Date:_____
Project Manager/Project Engineer
cc: ECDC

PG EVALUATION INSTRUCTIONS

Date Prepared - Identify date Evaluation Form was initiated.

Div. - Identify Division having Project responsibility.

Control Account No. - Indicate control account number for the Project or Project against which design activities will be charged.

Facility/Project - Identify the Facility/Project as described in the Safety Analysis documents.

HC Assigned - Identify the HC assigned by the Safety Analysis Department. If multiple Facilities and/or Hazard Categories were assigned, identify all with clearly delineated boundaries (attach drawings/sketches as appropriate and copies of Safety Assessment).

Project Number-Identify Project Number assigned by ECDC.

SSC LIST

Number - Sequential number of item entry.

SSC (Item or Part Number) - List all SSC including any part or inventory number as reflected on project drawings or equipment lists.

Purpose/Function - Describe purpose or function of each SSC.

PG EVALUATION PROCESS

PG - Evaluate the SSC for Safety consequences using Attachment C: PG Evaluation Matrix and assign the appropriate PG number. Also consider the SSC design life and intended use.

Prepared By - To be signed and dated by the individual who completed the PG Evaluation form.

Reviewed By - To be signed by the PM/PE following review and concurrence with Project SSC list.

ATTACHMENT B

PERFORMANCE GRADE (PG) DEFINITION MATRIX

Performance Grade	Considerations Safety Definition
PG-1	A SSC shall be placed in a Performance Grade 1 (PG-1) if it is part of a "safety" system in a Hazard Category 1 (HC-1) or a High Hazard (HH) facility and whose failure fails a preventative or mitigative function necessary to insure that there is no unacceptable off-site risk.
PG-2	A SSC shall be placed in a Performance Grade 2 (PG-2) if it is part of a "safety" system in a Hazard Category 2 (HC-2) or a Moderate Hazard (MH) facility and whose failure fails a preventative or mitigative function necessary to insure that there is no unacceptable on-site risk.
PG-3	A SSC shall be placed in PG-3 if it is not covered under PG-1 or PG-2, and if any of the following conditions apply: a) The SSC is part of a "safety" system in a HC-3 or Low Hazard (LH) facility and whose failure fails a preventative or mitigative function necessary to insure that there is no unacceptable risk to project workers, and; b) The SSC failure by itself or in combination with one or more SSCs may result in loss of function of emergency handling, hazard recovery, emergency preparedness, or emergency power system that may be needed to preserve the health and safety of the facility workers, collocated workers, and visitors.
PG-4	A SSC that is not covered under PG-1, PG-2, or PG-3 shall be placed in PG-4 if any of the following conditions apply: a) The SSC failure may cause a life threatening situation to activity workers or collocated workers, or b) a SSC is required to prevent or mitigate a Standard Industrial Hazard (SIH), or c) a SSC is part of a monitoring system that monitors compliance with regulatory imposed release limits.
PG-5	A SSC that is not covered under PG-1 through 4 may be placed in PG-5 if is not important because of safety, mission, or cost considerations, except that a SSC whose failure may have an adverse effect on the performance of a PG-1, PG-2, PG-3, or PG-4 or SSC shall not be placed in PG-5.

Note: 1) Refer to the Safety Analysis Report (SAR) or other safety hazard analysis for determination of Safety Significant.

2) A SSC may be placed in higher grade classification if justified from a cost-benefit consideration as determined by the TRB.

ATTACHMENT B

Performance Grade Definitions

Performance grades 4 and 5 do not require configuration management and are further defined below:

Performance Grade 4

A SSC that is not covered under PG-1, PG-2, or PG-3 shall be placed in PG-4 if any of the following conditions apply:

a) The SSC **failure** may cause a life threatening situation to activity workers or collocated workers.
Generally this is a Structure or System which is specifically designed to protect the worker from a life threatening situation where there is insufficient time for the corrective action or it is difficult to detect the situation before potential harm occurs.

b) SSC is **required to prevent or mitigate** a Standard Industrial Hazard (SIH).
Standard Industrial Hazards (SIH) are covered under OSHA and good engineering practice. However, this requirement is a special condition which has been applied.

c) SSC is part of a monitoring system that **monitors compliance** with regulatory imposed release limits.
This includes systems and components for personnel safety, and programs which implement the oversight of these SSCs.

Performance Grade 5

A SSC that is not covered under the safety, mission, or cost considerations of PG-1 through PG-4 may be placed in PG-5. Systems or Structures which are common to commercial/industrial facilities are included. Components in this performance grade may be standard, commercially available (off-the-shelf) items which can meet the functional requirements. Good business practices such as the preparation of appropriate specifications identifying requirements, inspections, and documentation are applicable. A failure of a SSC which may have an adverse effect on the performance requirements of a related PG-1 through PG-4 SSC shall not be placed in PG-5.

Note: SSCs that are designated PG-4 or PG-5 can be procured with a Quality Level 2 or 3 if their use in the system is determined to be high reliability dependent (ie., maintenance intensive, difficult to obtain, or difficult to replace due to its location).

ATTACHMENT C

MISSION IMPORTANT CONSIDERATIONS

This list is to be used by the project engineer to identify relevant criteria for upgrading any SSC graded lower than a PG-3 to a PG-3. A recommendation to upgrade the SSC will be prepared by the engineer for review and decision by the TRB.

Situational/Circumstantial Considerations

Facility type and technical characteristics
Facility desired/remaining lifetime
Facility operational status
Programmatic and technical issues
Existing programs and procedures
Facility life-cycle phase
Phased implementation

Engineering Design

- Prepare plans, procedures, and designs for control of hazardous materials including radiation protection, hazardous material protection, radioactive and hazardous waste protection, and the fire protection program.
- Identify equipment which by its nature is critical to safety or difficult to replace.
- Identify equipment under configuration control in the master equipment list.
- Identify process controls, indicators, and alarms to ensure worker safety.
- Identify the key verification points so that the "As-built drawings", equipment, and set points are in a safe configuration before Start-up.
- Identify key Start-up tests which provide the documentation needed to validate the design, facility construction, and safety analysis.
- Apply maintenance requirements consistent with equipment importance to safety and environmental protection, when equipment is costly to replace, or if equipment failure would seriously impact the project.

Note: *Mission-Important criteria are those that the engineer would use to evaluate any SSCs that are lower than PG-3 to see if there is justification to recommend to the TRB that the SSC be upgraded to a PG-3 and come under Configuration Management.*

ATTACHMENT D

DESIGN BASIS INFORMATION

INFORMATION that the DESIGN TEAM should be prepared to present in documented and oral fashion.

- Overall project scope, hazard category, and basis thereof (bring extra uncontrolled copy of approved SAR, BIOs, or equivalent document which develops the Authorization Basis)

- Detailed, sequential project operations (PFD), and a complete list, developed at this stage, of Structures, Systems, and Components utilized or impacted. (include drawings, specifications, and other approved design documents developed through preliminary engineering)

- The Performance Grade Evaluation form(s) with each SSC graded and the documented basis for the PG level (if other than derived from the Hazard Category).

- An evaluation of all Stakeholder concerns, and the mitigating factors/programs that impact them. This final consideration is the heart of the TRB review, as it is the method by which the TRB assures themselves that a management override of the safety derived PG's is or is not warranted. Mitigating factors are such things as use of controlled procedures, standard practices, engineering or administrative controls, etc. Each identified Stakeholder concern should be addressed separately and completely, with the documented positions presented to the TRB.

FLUOR DANIEL FERNALD

INTEROFFICE MEMORANDUM

ATTACHMENT E - REQUEST FOR TECHNICAL EVALUATION BOARD REVIEW

To:	William E. Kortier Engineering Design	Date:	
Location:	Springdale, MS 81-3	Reference:	
From:	Project Manager/Project Engineer	FDF #:	M:
Location:		Client:	DOE DE-AC24-920H21972
Extension:		Subject:	Request for Technical Evaluation Board (TRB) Review of Performance Grade Category (PG) Evaluation

c: File Record Storage Copy 106.4.x
applicable Project Manager
ECDC

The Performance Grade (PG) Evaluation prepared in accordance with Site Procedure ED-12-4015, rev. X for the _____
_____
_____ project is attached for Technical Review Board review and acceptance. This list contains all identified Activities and associated SSC for the listed Facility/Project. Upon TRB acceptance, please return the original to:

Project Manager/Project Engineer
Location, Mail Stop
Extension

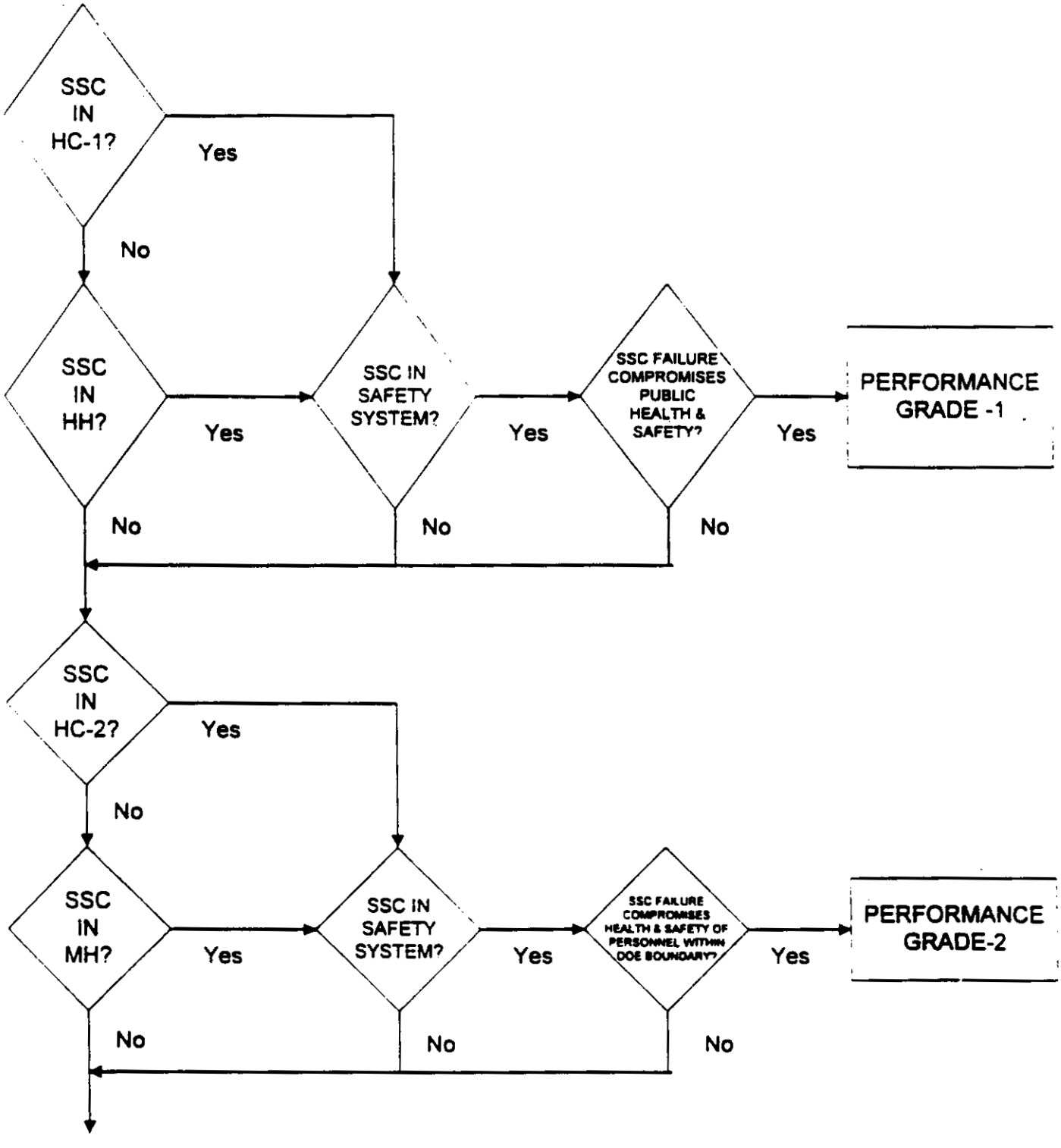
Attachments:

- PG Evaluation form
- All appropriate Project documentation required to allow TRB to evaluate PG adequacy.

ATTACHMENT F

FLOW CHART

PERFORMANCE GRADING



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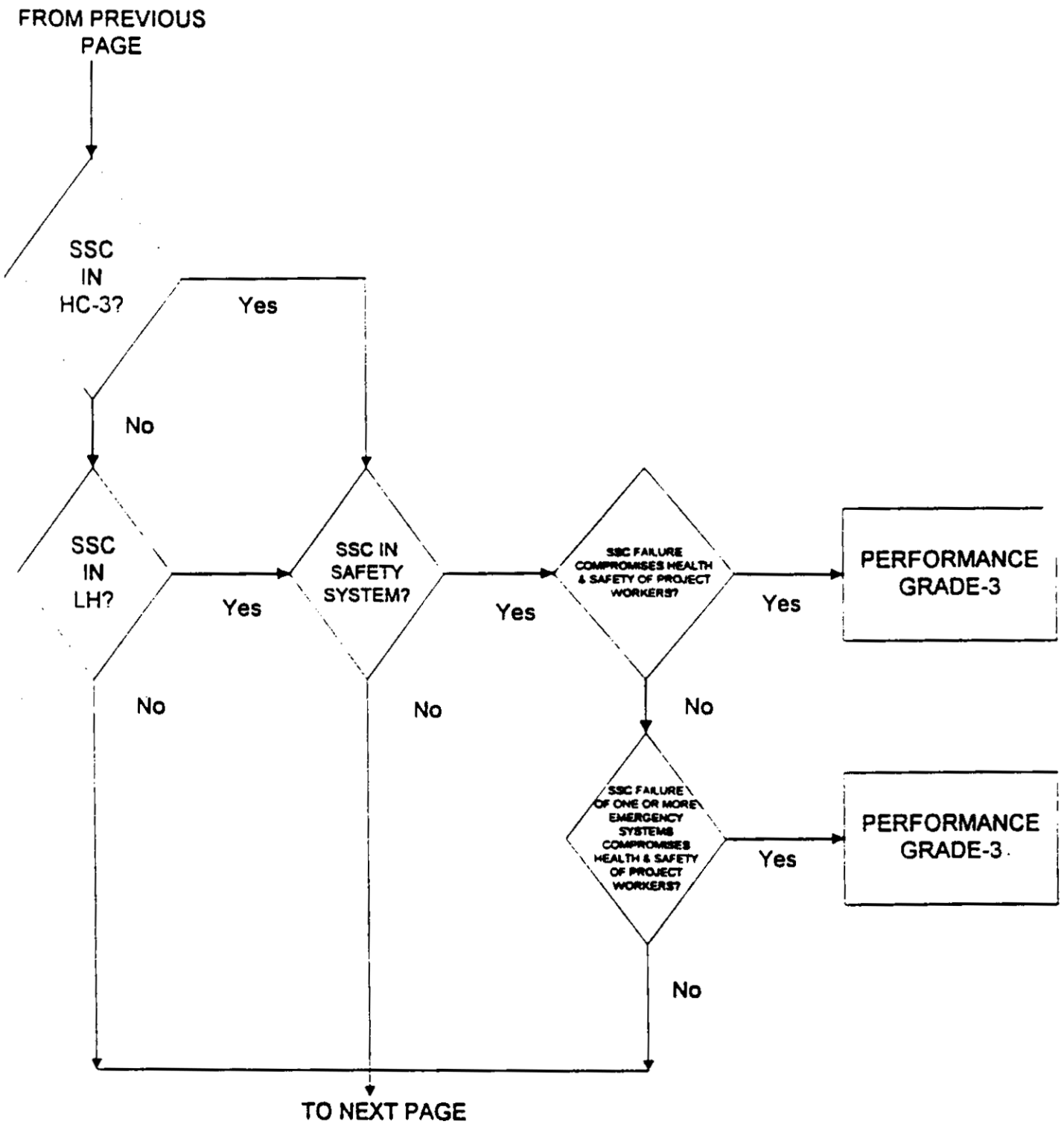

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